

IN THE CLAIMS

Please add claim 6, as follows:

- 1 *pab/cj* / -6. A lock, comprising:
2 a cylinder containing a hollow recess defining a longitudinal axis;
3 a plug rotatable around said longitudinal axis while resident within said hollow
4 recess, said plug comprising:
5 a first base bearing a keyway providing a first electrical conductor and an
6 orifice spaced-apart from and separated by a mass of said plug from said keyway;
7 a second base separated by an axial length of said plug from said first base,
8 said second base bearing means for supporting a cam;
9 an exterior surface extending between and engaging said first base and said
10 second base;
11 locking means responsive to a key inserted into said keyway to accommodate
12 rotation of said plug relative to a cylinder surrounding said plug when the key while inserted
13 into said keyway engages in a selected relation with said locking means and engaging the
14 cylinder absent said selected relation;
15 a second electrical conductor terminating with an electrical contact exposed
16 to an exterior of said first base through said aperture;
17 an electronic logic circuit coupled to receive electrical power and data signals
18 via said first and second electrical conductors, and generating control signals in dependence

19 *(P)* upon said electrical power and data signals; and

20 an electrical operator having a distal member radially reciprocating along an
21 axis transverse to said longitudinal axis, in dependence upon said control signals between
22 a first position relative to said exterior surface enabling rotation of said plug in relation to
23 said cylinder surrounding said plug and a second and different position relative to said
24 exterior surface obstructing said rotation of said plug in relation to said cylinder.

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7. The plug of claim 6, comprising said locking means, logic circuit and electrical
operator simultaneously experiencing said rotation relative to the cylinder whenever said plug rotates
relative to the cylinder.

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-8. The plug of claim 6, comprising said locking means, logic circuit and electrical
operator being wholly within the cylinder and travelling with said plug whenever said plug moves
relative to the cylinder.

-9. The plug of claim 6, with said electrical operator maintaining said distal member
within said plug with said distal member extended not beyond said exterior surface while said distal
member is in said first position, and maintaining said distal member in engagement with the cylinder
while said distal member is in said second position.

-10. The plug of claim 6, with said electrical operator maintaining said distal member